

EFED

6/4/08

IO19703



Kimberli J Miller  
<kjmill@usgs.gov>  
06/04/2008 04:11 PM

To Nicholas Mastrotta/DC/USEPA/US@EPA  
cc File NWHC <nwhc\_file@epa.gov>  
bcc  
Subject NWHC epizootic database information

Hi Nick,

Thanks for calling me back. Here are the 3 documents I talked to you about this afternoon.

1. Information on the number dead by species (if known) for the 43 cases you identified as a new incident.

2. & 3. An updated NWHC Epizootiology Database search. I searched our records for all suspect and confirmed toxicology cases from Sept 1, 2007 to June 1, 2008. (Sept 1, 2007 was the ending date of the search I sent you last fall). I'm sending it in 2 different layouts. One as a table listing all the events by flyway. The other listing the number dead by species if known and county location. This should have the cases from the quarterly report that you asked me about recently.

I sent the documents in Word because when I tried to download the info into Excel it messed up the formatting and made it very confusing to read.

I'll continue working on the additional information re history, degree of ChE inhibition and residue levels you requested.

Best regards,

Kim

(See attached file: EPA Epizoo summary follow up Jan 2001 to Sept 2007.doc)

(See attached file: EPA tox search Sept 1, 2007 - June 1, 2008.doc)

(See attached file: Sept 1, 2007 - June 1, 2008 Epizoo Toxicosis Summary Report.doc)

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TSB read  
6/10/08



kim\_miller@usgs.gov EPA Epizoo summary follow up Jan 2001 to Sept 2007.doc



EPA tox search Sept 1, 2007 - June 1, 2008.doc Sept 1, 2007 - June 1, 2008 Epizoo Toxicosis Summary Report.doc

**USGS National Wildlife Health Center  
Suspect and Confirmed Toxicosis Cases  
Sept 1, 2007 – June 1, 2008  
Epizootic Database Query Results  
Summary Format**

**Epizootic 2007-108**

**Location:** Potential Legal Case

**State:** FL    **County:** DIXIE

**Cause(s)/Factor(s) of mortality:** Toxicosis: carbofuran

**Principal Species Involved**

Vulture, Black

Vulture, Turkey

**Known Dead**

25

1

**Dates: from** 09/29/2007 **to** 10/01/2007

**Total** 30    **Est?** Yes

**Case Numbers:** 20474

-001

**Epizootic 2007-115**

**Location:** Maricopa County

**State:** AZ    **County:** MARICOPA

**Cause(s)/Factor(s) of mortality:** Toxicosis suspect

**Principal Species Involved**

Sparrow, House

Dove, Mourning

Dove, Inca

**Known Dead**

3

2

1

**Dates: from** 10/12/2007 **to** 10/15/2007

**Total** 58    **Est?** No

**Case Numbers:** 20495

-002

**Epizootic 2007-130**

**Location:** Portland-Hillsboro Airport

**State:** OR    **County:** WASHINGTON

**Cause(s)/Factor(s) of mortality:** Toxicosis: zinc phosphide

**Principal Species Involved**

Goose, Cackling

Goose, Canada (Giant, Interior, Lesser)

**Known Dead**

12

1

**Dates: from** 11/02/2007 **to** 11/02/2007

**Total** 13    **Est?** No

**Case Numbers:** 20549

-003

**Epizootic 2007-136**

**Location:** Potential Legal Case

**State:** OH **County:** LUCAS

**Cause(s)/Factor(s) of mortality:** Toxicosis: Avitrol  
Undetermined

**Principal Species Involved**

Dove, Mourning

Pigeon, Unidentified

**Dates: from** 11/01/2007 **to** 11/30/2007

**Total** 35 **Est?** Yes

**Case Numbers:** 20576 20628

-004

Known Dead

**Epizootic 2007-144**

**Location:** Butte

**State:** MT **County:** SILVER BOW

**Cause(s)/Factor(s) of mortality:** Toxicosis: ethanol suspect

**Principal Species Involved**

Waxwing, Bohemian

**Dates: from** 12/17/2007 **to** 12/19/2007

**Total** 60 **Est?** No

**Case Numbers:** 20598

-005

Known Dead

60

**Epizootic 2007-146**

**Location:** Staten Island

**State:** NY **County:** RICHMOND

**Cause(s)/Factor(s) of mortality:** Toxicosis: Avitrol

**Principal Species Involved**

Grackle, Common

**Dates: from** 12/21/2007 **to** 12/21/2007

**Total** 26 **Est?** Yes

**Case Numbers:**

-006

Known Dead

**Epizootic 2008-002**

**Location:** Portland Hillsboro Airport Pond

**State:** OR **County:** WASHINGTON

**Cause(s)/Factor(s) of mortality:** Toxicosis: zinc phosphide

**Principal Species Involved**

Goose, Canada (Giant, Interior, Lesser)

**Dates: from** 01/04/2008 **to** 01/06/2008

**Total** 7 **Est?** No

**Case Numbers:** 20614

-007

Known Dead

7

**Epizootic 2008-008**

**Location:** Salisbury Area

**State:** MD **County:** WICOMICO

**Cause(s)/Factor(s) of mortality:** Toxicosis suspect

**Principal Species Involved**

Grackle, Common

Jay, Blue

**Dates: from** 01/05/2008 **to** 01/07/2008

**Total** 100 **Est?** Yes

**Case Numbers:** 20607

-008

**Known Dead**

75

**Epizootic 2008-014**

**Location:** Private residence

**State:** AZ **County:** MARICOPA

**Cause(s)/Factor(s) of mortality:** Toxicosis: strychnine

**Principal Species Involved**

Dove, Mourning

Dove, Inca

Pigeon, Unidentified

**Dates: from** 01/30/2008 **to** 01/31/2008

**Total** 20 **Est?** No

**Case Numbers:** 20636

-009

**Known Dead**

4

1

**Epizootic 2008-038**

**Location:** Portland

**State:** OR **County:** MULTNOMAH

**Cause(s)/Factor(s) of mortality:** Undetermined

Toxicosis: ethanol suspect

**Principal Species Involved**

Robin, American

**Dates: from** 01/22/2008 **to** 01/25/2008

**Total** 50 **Est?** Yes

**Case Numbers:** 20680

-010

**Known Dead**

50

**Epizootic 2008-041**

**Location:** Quarry Apartment Complex

**State:** ID **County:** ADA

**Cause(s)/Factor(s) of mortality:** Toxicosis: zinc phosphide

**Principal Species Involved**

Goose, Canada (Giant, Interior, Lesser)

Duck, Wigeon, American

Raccoon

Duck, Wood

**Dates: from** 02/29/2008 **to** 03/01/2008

**Total** 19 **Est?** No

**Case Numbers:** 20664

-011

**Known Dead**

8

6

2

2

**Epizootic 2008-051**

**Location:** Legal Case

State: OR County: MARION  
Cause(s)/Factor(s) of mortality: Toxicosis: zinc phosphide  
Principal Species Involved  
Goose, Cackling  
Dates: from 04/11/2008 to  
Total 60 Est? No  
Case Numbers: 22025

-012

Known Dead  
44

Epizootic 2008-056  
Location: Max Meadows  
State: VA County: WYTHE  
Cause(s)/Factor(s) of mortality: Toxicosis: carbamate compound  
Principal Species Involved  
Duck, Mallard  
Goose, Canada (Giant,Interior,Lesser)  
Blackbird, Red-winged  
Dates: from 02/15/2008 to 02/25/2008  
Total 39 Est? No  
Case Numbers:

-013

Known Dead  
36  
2  
1

Epizootic 2008-058  
Location: Potential Legal Case  
State: OR County: CROOK  
Cause(s)/Factor(s) of mortality: Toxicosis: Famphur suspect  
Principal Species Involved  
Hawk, Red-tailed  
Dates: from 03/26/2008 to  
Total 10 Est? Yes  
Case Numbers: 22013

-014

Known Dead

Report Comments: Sept 1, 2007 through June 1, 2008. Rodenticides confirmed, all toxicosis suspect and confirmed.

Sept 1, 2007 – June 1, 2008 USGS National Wildlife Health Center  
Suspect and Confirmed Toxicosis Cases  
Epizootic Database Query Results

06/02/2008

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Track #	Ste	Location	Dates	Species	Mortality	Diagnosis	Lab
<u>Atlantic Flyway</u>							
-001	2007-108	FL	Dixie County- Potential Legal	09/29/2007 - 10/01/2007	Vulture, Black Vulture, Turkey	30 e Toxicosis: carbofuran	KDL, NW
-006	2007-146	NY	Staten Island	12/21/2007 - 12/21/2007	Grackle, Common	26 e Toxicosis: Avitrol	COR
-008	2008-008	MD	Salisbury Area	01/05/2008 - 01/07/2008	Grackle, Common Jay, Blue	100 e Toxicosis suspect (ChE normal)	MDA, NW
-013	2008-056	VA	Max Meadows	02/15/2008 - 02/25/2008	Duck, Mallard Goose, Canada (Giant, Interior, Lesser) Blackbird, Red-winged	39 Toxicosis: carbamate compound	SCW
<u>Central Flyway</u>							
<u>Mississippi Flyway</u>							
-004	2007-136	OH	Lucas County- Potential Legal	11/01/2007 - 11/30/2007	Dove, Mourning Pigeon, Unidentified	35 e Toxicosis: Avitrol Undetermined	NW
<u>Pacific Flyway</u>							
-002	2007-115	AZ	Maricopa County	10/12/2007 - 10/15/2007	Sparrow, House Dove, Mourning Dove, Inca	58 Toxicosis suspect GC/MS negative, Avitrol test pending	NW
-003	2007-130	OR	Portland-Hillsboro Airport	11/02/2007 - 11/02/2007	Goose, Cackling Goose, Canada (Giant, Interior, Lesser)	13 Toxicosis: zinc phosphide	NW
-005	2007-144	MT	Butte	12/17/2007 - 12/19/2007	Waxwing, Bohemian	60 Toxicosis: ethanol suspect	NW
-007	2008-002	OR	Portland Hillsboro Airport Pond	01/04/2008 - 01/06/2008	Goose, Canada (Giant, Interior, Lesser)	7 Toxicosis: zinc phosphide	NW

**Sept 1, 2007 – June 1, 2008 USGS National Wildlife Health Center  
Suspect and Confirmed Toxicosis Cases  
Epizootic Database Query Results**

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Track #	Ste	Location	Dates	Species	Mortality	Diagnosis	Lab
-009 2008-014	AZ	Private residence	01/30/2008 - 01/31/2008	Dove, Mourning Dove, Inca Pigeon, Unidentified	20	Toxicosis: strychnine	NW
-010 2008-038	OR	Portland	01/22/2008 - 01/25/2008	Robin, American	50 c	Undetermined Toxicosis: ethanol suspect	NW
-011 2008-041	ID	Quarry Apartment Complex	02/29/2008 - 03/01/2008	Goose, Canada (Giant,Interior,Lesser) Duck, Wigeon, American Raccoon Duck, Wood	19	Toxicosis: zinc phosphide	NW
-012 2008-051	OR	Marion county- Legal	04/11/2008 - ongoing	Goose, Cackling	60	Toxicosis: zinc phosphide	NW
-014 2008-058	OR	Crook county, Potential Legal	03/26/2008 - ongoing	Hawk, Red-tailed	10 c	Toxicosis: Famphur suspect	NW

**Report Comments:** Sept 1, 2007 through June 1, 2008. Rodenticides confirmed, all toxicosis suspect and confirmed.